

BBC Biochemical

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Iron Stain Kit Solution A	Code: 5830, 5870
Supplier: BBC Biochemical	MSDS#: 5830, 5870
Synonym:	Validation Date: 5-5-09
Trade Name: Iron Stain Kit Solution D	Print Date: 5-5-09
Material Uses: Histologic Staining	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	Exposure Limits
1) Water	7732-18-5	With-held as a trade secret	
2) Formaldehyde 37%	50-00-0	With-held as a trade secret	0.75 ppm and 2ppm
3) Methanol	67-56-1	With-held as a trade secret	200ppm and 250ppm

Section 3. Hazards Identification

Physical State and Appearance	Clear liquid.
Emergency Overview	Corrosive, contains formaldehyde.
Routes of Entry	Eye contact, inhalation, ingestion, and skin contact.
Potential Acute Health Effects	
Eyes	Irritation, may cause permanent damage
Skin	Irritation
Inhalation	Irritation to nose, throat and respiratory system
Ingestion	May cause allergic reaction: Irritation to throat and respiratory system.
Potential Chronic Health Effects	Not applicable.
Medical Conditions Aggravated by Overexposure	Respiratory conditions.
Overexposure/Signs/Symptoms	May cause cancer of the lungs, nasopharynx and oropharynx, and nasal passages

Section 4. First Aid Measures

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash thoroughly with water. Remove contaminated clothing at once (launder before reuse).
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	If conscious, dilute, inactivate, or absorb the ingested formaldehyde by giving milk, activated charcoal, or water. Get immediate medical attention.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	None.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Not available.

Explosion Hazards in Presence of Various Substances	Not available.
Fire Fighting Media and Instructions	CO ₂ , foam, water.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Fire fighters should use self-contained breathing apparatus and protective clothing.
Special Remarks on Explosion Hazards	Thermal decomposition produces toxic fumes. Corrosive to most metals when dissolved in water.

Section 6. Accidental Release Measures

Small Spill and Leak	Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under section VII. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate it's source, if this can be done without risk. Take up and containerize for proper disposal as described under Waste Disposal Method. Comply with Federal, state, and local regulations on reporting releases. Waste disposal methods: Incineration, fuels blending or recycle. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposer (TSD) to assure compliance with all current local, state, and federal regulations.
Large Spill and Leak	Same as above

Section 7, Handling and Storage

Handling	Do not breath vapors or mist. Do not get in eyes, on skin, or on clothing.
Storage	Store and use in areas away from heat, sparks, and open flame. Keep container tightly closed.

Section 8. Exposure Controls / Personal Protection

Engineering Controls	
Personal Protection	
Eyes	Safety glasses with approved side shields must be worn at all times.
Body	Impervious protective clothing must be worn to prevent skin contact.
Respiratory	If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH or MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/ MSHA respirators (negative pressure type) under specified conditions (see your safety supplier). Engineering and/or administrative controls should be implemented to reduce exposure. Material must be handled or transferred in an approved fume hood with adequate ventilation.
Hands	Use gloves that are Neoprene, Nitrile or equivalent.
Feet	
Personal Protection in Case of a Large Spill	
Product Name	Exposure Limits
1)Formaldehyde 37%	OSHA PEL 0.75ppm TWA
2)Methanol 100%	OSHA PEL 200ppm TWA
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Clear liquid.	Odor:	Pungent.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	Clear
pH (1%/Water)	Not applicable.		
Boiling/Condensation Point	Not applicable.		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	Not applicable.		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		

Dispersion Properties	Not available.
Solubility	Miscible in Water.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Ignition sources. Contact with HCl may cause formation of the potent carcinogen, bischloromethyl ether.
Incompatibility with Various Substances	Acids, oxidizers, strong alkalis.
Hazardous Decomposition Products	Co _x
Hazardous Polymerization	Not available.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Corrosive, UN2209, Formaldehyde Solutions, 8, III
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Corrosive, UN2209, Formaldehyde Solutions, 8, III
ADR/RID Classification	ADR (Europe) Information not available.
IMO/IMDG Classification	IMDG Information not available.
ICAO/IATA Classification	See IATA Regulations, Corrosive, UN2209, Formaldehyde Solutions, 8, III

Section 15. Other Information

Label requirements

Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)	
	Fire Hazard	2		
	Reactivity	0		
	Personal Protection			
References				
Other Special Considerations				
Notice to Reader				
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BBC Biochemical

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Iron Stain Kit Solution B1	Code: 5870, 5800
Supplier: BBC Biochemical	MSDS#: 5870, 5800
Synonym:	Validation Date: 5-5-09
Trade Name: Iron Stain Kit Solution B1	Print Date: 5-5-09
Material Uses: Histologic Staining	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	Exposure Limits
1) Water	7732-18-5	With-held as a trade secret	
2) Hydrochloric acid	7647-01-0	With-held as a trade secret	5 ppm

Section 3. Hazards Identification

Physical State and Appearance	Clear liquid.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Corrosive, irritation, and inflammation
Skin	Corrosive, irritation with itching and local redness
Inhalation	Corrosive, irritation and inflammation to mucous membranes
Ingestion	Corrosive, toxic. May cause headaches, dizziness, nausea, and general weakness.
Potential Chronic Health Effects	
Medical Conditions Aggravated by Overexposure	Respiratory conditions
Overexposure/Overexposure/Signs/Symptoms	

Section 4. First Aid Measures

Eye Contact	Immediately flush with water for at least 15 min.
Skin Contact	Immediately flush with large amounts of water. Remove contaminated clothing.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	Dilute with large amounts of water, get immediate medical attention.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Bases, oxidizers, H ₂ O ₂ , P ₂ O ₅ .
Explosion Hazards in Presence of Various Substances	Not available.

Fire Fighting Media and Instructions	Alcohol or all purpose-type foam for large fires, carbon dioxide or dry chemical for small fires. Water spray to cool containers and disperse vapors.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Use self-contained breathing apparatus and protective clothing.
Special Remarks on Explosion Hazards	Avoid sources of ignition.

Section 6. Accidental Release Measures

Small Spill and Leak	Flush small spills with large amounts of water. Evacuate the area of all unnecessary personnel. Wear suitable protective clothing listed in section VII. Contain the release and eliminate it's source, if this can be done without risk. Neutralize, take up and containerize for proper disposal as described under Waste Disposal Method. Comply with Federal, State, and local regulations on reporting releases. Waste disposal method: Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposer (TSD) to assure compliance with all current local, State and Federal regulations.
Large Spill and Leak	Same as above.

Section 7, Handling and Storage

Handling	Do not breath vapors. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
Storage	Keep container closed. Avoid metal containers. Store at controlled room temperature.

Section 8. Exposure Controls / Personal Protection

Engineering Controls	
Personal Protection	
Eyes	Safety glasses with side shields should be worn at all times. Eye wash and safety equipment should be available.
Body	Wear impervious protective clothing to prevent skin contact.
Respiratory	If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MAHA approved air supplied respirator is advised in absence of proper environmental control.
Hands	Protective gloves should be worn to prevent skin contact (Neoprene or equivalent).
Feet	
Personal Protection in Case of a Large Spill	
Product Name	Exposure Limits
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Clear yellow liquid.	Odor:	Mild.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	Yellow.
pH (1%/Water)	Not applicable.		
Boiling/Condensation Point	80-100°C		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	99+%.		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Soluble in water		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Avoid sources of ignition.
Incompatibility with Various Substances	Bases, oxidizers, H ₂ O ₂ , P ₂ O ₅ .
Hazardous Decomposition Products	CO _x , Na ₂ O.
Hazardous Polymerization	Not available.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not hazardous.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

Section 15. Other Information

Label requirements			
Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		

References

**Other Special
Considerations**

Notice to Reader

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BBC Biochemical MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Iron Stain Kit Solution B2	Code: 5810. 5870
Supplier: BBC Biochemical	MSDS#: 5810, 5870
Synonym:	Validation Date: 5-5-09
Trade Name: Iron Stain Kit Solution B2	Print Date: 5-5-09
Material Uses: Histologic Staining	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	Exposure Limits
1) Potassium Ferrocyanide	14459-95-1	With-held as a trade secret	
2) Deionized Water	7732-18-5		

Section 3. Hazards Identification

Physical State and Appearance	Water-like green liquid.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Mechanical irritation only.
Skin	No detectable irritation
Inhalation	If solution is heated above 200° C, fumes irritating to eyes, nose and throat will be evolved.
Ingestion	N/A
Potential Chronic Health Effects	
Medical Conditions	N/A
Aggravated by Overexposure	
Overexposure/ Signs/Symptoms	

Section 4. First Aid Measures

Eye Contact	Flush or 15-20 minutes with large amounts of water or normal saline until no evidence of irritation remains.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again.
Inhalation	Remove to fresh air immediately. Consult a physician.
Ingestion	Give activated charcoal. Do not attempt emesis if respiration is depressed. Get medical attention immediately.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Stable under normal Temperatures and Pressures.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Acids.

Explosion Hazards in Presence of Various Substances	Not available.
Fire Fighting Media and Instructions	Alcohol or all purpose-type foam for large fires, carbon dioxide or dry chemical for small fires. Water spray to cool containers and disperse vapors.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Use self-contained breathing apparatus and protective clothing.
Special Remarks on Explosion Hazards	Avoid heat.

Section 6. Accidental Release Measures

Small Spill and Leak	Pick up spilled solution to avoid slipping hazard. Material must be disposed of in accordance with all federal, state, and local regulations.
Large Spill and Leak	Same as above.

Section 7, Handling and Storage

Handling	Keep container tightly closed.
Storage	Keep container tightly closed.

Section 8. Exposure Controls / Personal Protection

Engineering Controls	
Personal Protection	
Eyes	Splash-proof safety goggles should be worn at all times with this product.
Body	
Respiratory	If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety supplier). Engineering and/or administrative controls should be implemented to reduce exposure.
Hands	Appropriate gloves should be worn to prevent contact with this substance.
Feet	
Personal Protection in Case of a Large Spill	
Product Name	Exposure Limits
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Water-like green liquid.	Odor:	Mild.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	Green.
pH (1%/Water)	Not applicable.		
Boiling/Condensation Point	Not applicable.		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	5		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Moderate in water		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity

Stability and Reactivity	Stable under normal Temperatures and Pressures.
Conditions of Instability	Avoid heat.
Incompatibility with Various Substances	Acids.
Hazardous Decomposition Products	Complete combustion gives CO ₂ and water. Incomplete combustion gives in addition carbon monoxide and hydrocarbon oxidation products, including organic acids, aldehydes and alcohols.
Hazardous Polymerization	Not available.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not hazardous.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

Section 15. Other Information

Label requirements			
Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		
References			
Other Special			

Considerations

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BBC Biochemical

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Iron Stain Kit Solution C	Code: 5820, 5870
Supplier: BBC Biochemical	MSDS#: 5820, 5870
Synonym:	Validation Date: 5-5-09
Trade Name: Iron Stain Kit Solution C	Print Date: 5-5-09
Material Uses: Histologic Staining	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	Exposure Limits
1) Water	1737-87-1	With-held as a trade secret	
2) Denatured Ethanol mixture Phenol	108-95-2	With-held as a trade secret	

Section 3. Hazards Identification

Physical State and Appearance	Reddish.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, and skin contact.
Potential Acute Health Effects	
Eyes	Irritation
Skin	Irritation
Inhalation	May cause dizziness, headache, nausea, and narcosis
Ingestion	May cause blindness, nausea, damage to gastrointestinal tract, liver, kidneys, and cardiovascular system.
Potential Chronic Health Effects	Components not listed (IARC, NTP, OSHA) as cancer causing agents.
Medical Conditions	Kidney, liver, heart, and GI conditions.
Aggravated by Overexposure	
Overexposure/Signs/Symptoms	

Section 4. First Aid Measures

Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	If conscious, drink water. Do not induce vomiting, seek medical attention.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	100°C.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Not available.

Explosion Hazards in Presence of Various Substances	Not available.
Fire Fighting Media and Instructions	Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors.
Protective Clothing (Fire)	
Special Remarks on Fire Hazards	Fire fighters should use self-contained breathing apparatus and protective clothing.
Special Remarks on Explosion Hazards	Vapor can travel distances to ignition source and flash back.

Section 6. Accidental Release Measures

Small Spill and Leak	Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation. Incineration or fuel blending. Contract your local licensed waste disposal company. Follow Federal, state, and local regulations. Always contact a permitted waste disposer (TSD) to assure compliance with all current local, state, and federal regulations.
Large Spill and Leak	Same as above

Section 7, Handling and Storage

Handling	Avoid repeated or prolonged skin contact or breathing of vapors. Do not breath vapors. Do not get in eyes.
Storage	Store and use in areas away from heat, sparks, and open flame. Use adequate ventilation. Store in tightly closed containers in a cool, dry, well-ventilated, fire-resistant area. Store away from oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Engineering Controls	
Personal Protection	
Eyes	Eye wash and safety shower should be available. Safety glasses with approved side shields should be worn at all times.
Body	Wear protective clothing to minimize skin contact.
Respiratory	Use NIOSH or MSHA approved respirators in absence of proper environmental control. Use approved fume hood or other approved ventilation.
Hands	Use gloves that are Neoprene, Nitrile or equivalent.
Feet	
Personal Protection in Case of a Large Spill	
Product Name	Exposure Limits
1)	
2)	
3)	
Consult Local authorities before acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Reddish	Odor:	Medicinal odor.
Molecular Weight	Not applicable.	Taste:	Not available.
Molecular Formula	Not applicable.	Color:	reddish.
pH (1%/Water)	Not applicable.		
Boiling/Condensation Point	173°F		
Melting/Freezing Point	Not applicable.		
Critical Temperature	Not applicable.		
Specific Gravity	Not applicable.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Volatility	Not applicable.		
Odor Threshold	Not applicable.		
Evaporation Rate	Not applicable.		
VOC	Not available.		
Viscosity	Not available.		
Ionicity (in water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Complete in water.		
Physical Chemical	Not available.		

Comments

Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Avoid heat > 100F.
Incompatibility with Various Substances	Acids, Oxidizers, Al, Mg, Pb, Zn, Calcium Hypochlorite alkalies, acetaldehyde.
Hazardous Decomposition Products	Co _x , CN.
Hazardous Polymerization	Does not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	
Other Toxic Effects on Humans	
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

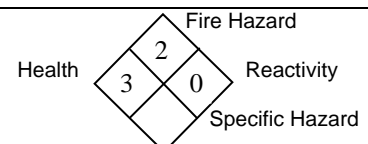
Section 14. Transport Information

DOT Classification	Not hazardous.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

Section 15. Other Information

Label requirements

Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)
	Fire Hazard	2	
	Reactivity	0	
	Personal Protection		



References

**Other Special
Considerations**

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